

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1 – 5 (cancelled)

Claim 6 (currently amended): A circuit for supplying oxygen to aircraft passengers of an aircraft having a cabin in case of accidental cabin depressurization, comprising:

a first pressure sensor adapted to measure the cabin pressure;

in a first line supplying oxygen connected to a pressurized oxygen source, a second pressure sensor disposed in, and adapted to measure a pressure in, said first line, the first line adapted to supply oxygen from the pressurized oxygen source to aircraft passenger masks in the cabin; and

in the first line ~~supplying oxygen connected to a pressurized oxygen source~~ upstream of said second pressure sensor, a servocontrolled pressure regulator ~~that can be actuated~~ actuable in response to a pressure control signal supplied by an electronic control unit based upon signals indicative of pressures sensed by said first and second pressure sensors.

Claim 7 (previously presented): The circuit as claimed in claim 6, wherein the first pressure sensor delivers an absolute pressure signal to the electronic control unit for the generation of said control signal of the regulator.

Claim 8 (original): The circuit as claimed in claim 6, characterized in that it comprises a line bypassing the regulator and provided with a safety solenoid valve.

Claim 9 (original): The circuit as claimed in claim 6, characterized in that the oxygen supply line comprises a downstream connection to an oxygen therapy system.

Claim 10 (original): The circuit as claimed in claim 6, characterized in that the oxygen source comprises at least one pressurized oxygen cylinder.

Claim 10 (new): The circuit as claimed in claim 6, further comprising a second line connected to the compressed oxygen cylinder that is adapted to supply oxygen from the pressurized oxygen source to aircraft crew masks in the cabin.